

## Goldstone Radar observations of the 1995 Mars opposition

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As part of the International Mars Watch, Goldstone radar observations of Mars are planned during the 1995 **Opposition** (~Dec.'94-March'95). While much of the allocated time is already devoted to observations for Mars Pathfinder landing site validation, a small number of tracks could be made available for well-focused scientific objectives. During this opposition, the sub-Earth latitudes are in Mars' Northern hemisphere (see figure below) over terrain not previously examined with current sensitivity. The radar **data types** possible in 1995 will be described at the meeting. A good overview can be found in Chapter 20 of the book *Mars* (Keiffer *et al.*, ed.; 1992).

Informal observing proposals from any scientist with peer-reviewed Mars funding should be forwarded to [Martin.A.Slade@jpl.nasa.gov](mailto:Martin.A.Slade@jpl.nasa.gov) by email. Data reduction can, in principle, be carried out over the Internet. A graduate student or postdoctoral fellow resident at JPL for short period is recommended, however, to become familiar with suite of software for data analysis. (Unfortunately, JPL cannot supply travel reimbursement due to the current NASA funding situation.) The Mars 1995 dataset should provide a significant increase in the knowledge about the surface and subsurface of Mars. We urge that you consider becoming involved with the acquisition and analysis of Mars radar data.

